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PTO/SB/21 (0: Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

December 30, 2003

Yuegang Zhang et al.

10/749,529

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Application Number

First Named Inventor

Filing Date

	Art Unit	Art Unit 2856		
(to be used for all correspondence after initial filing	Examiner Name	TBD		
Total Number of Pages in This Submission	46 Attorney Docket N	Number INTEL1180(P16227)	フ	
	Drawing(s) Licensing-related Pap Petition Petition to Convert to Provisional Application Power of Attorney, Re Change of Correspon Terminal Disclaimer Request for Refund CD, Number of CD(s)	or Appeals and Interferences Appeal Communication to TC (Appeal Notice, Brief, Reply Brief) Proprietary Information Status Letter Other Enclosure(s) (please Identify below): 1. Form PTO 1449 (2 pgs.) 2. International Search Reports	,	
Certified Copy of Priority Document(s) Response to Missing Parts/ Incomplete Application Response to Missing Parts under 37 CFR 1.52 or 1.53	Remarks Landscape Tabl	5. Return Receipt Postcard		
SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT				
Firm Name DLA PIPER RUDNICK GR	AY CARY US LLP			
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Printed name Michael P. Reed, J.D., Ph.	D.		- 1	

CERTIFICATE OF TRANSMISSION/MAILING

Reg. No.

45,647

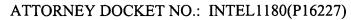
I hereby certify that this correspondence is being facsimile transmitted to the USPTO or deposited with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on the date shown below.

Signature Typed or printed name Karin E. Harden

March 30, 2005

Date March 30, 2005

This collection of information is required by 37 CFR 1.5. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.





IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant:

Yuegang Zhang et al.

Art Unit: 2856

Serial No.:

10/749,529

Examiner: TBD

Filed:

December 30, 2003

Confirmation No.: 8848

Title:

BIOSENSOR UTILIZING A RESONATOR HAVING A FUNCTIONALIZED

SURFACE

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Sir:

In accordance with 37 C.F.R. § 1.97, enclosed are references relating to the aboveidentified application. For the convenience of the Examiner, the references are listed on the attached Form PTO-1449 and copies of the references are enclosed herewith. A copy of the International Search Report listing the references is also enclosed.

It is respectfully requested that these references be considered in the examination of this application and their consideration be made of written record in the application file.

No fee is deemed necessary in connection with the filing of this Information Disclosure Statement, because it is being filed prior to the mailing of a first office action on the merits of the

CERTIFICATION UNDER 37 CFR § 1.8

I hereby certify that the documents referred to as enclosed herein are being deposited with the United States Postal Service with sufficient postage as first class mail on this date, March 30, 2004, in an envelope addressed to: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450

Karin E. Harden

Person Matting Paper)

March 30, 2005

Signature)

(Date)

In re: Application of

Yuegang Zhang et al.

Application No.: 10/749,529 Filed: December 30, 2003

Page 2

PATENT ATTORNEY DOCKET NO.: INTEL1180(P16227)

above-identified application. However, if any fee is required, authorization is hereby given to charge the amount of any such fee, or credit any overpayment, to Deposit Account No. 07-1896.

Respectfully submitted,

Dated: March 30, 2005

Michael P. Reed, J.D., Ph.D. Registration No. 45,647 Telephone: (858) 638-6754 Facsimile: (858) 677-1465

USPTO CUSTOMER NO. 28213 DLA PIPER RUDNICK GRAY CARY US LLP 4365 Executive Drive, Suite 1100 San Diego, California 92121-2133

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Substitute for form 1449A/PTO

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Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

Complete if Known		
Application Number	10/749,529	
Filing Date	December 30, 2003	
First Named Inventor	Yuegang Zhang et al.	
Art Unit	2856	
Examiner Name	TBD	
Attorney Docket Number	INTEL1180(P16227)	

			U. S. PATENT [DOCUMENTS	
Examiner Initials*	Cite No.1	Document Number Number-Kind Code ^{2 (if known)}	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AA	us-2004/0150296A1	08/05/2004	Park et al.	···
	AB	us-4,735,906	04/05/1998	Bastianns	
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		FOREIGN P	ATENT DOCU	MENTS		
Examiner Initials*	Cite No.¹	Foreign Patent Document Country Code ³ Number ⁴ Kind Code ⁵ (<i>if known</i>)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
	ВА		02/26/2004	Gabl, Reinhard		yes

Examiner Signature	Date Considered	
		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. 1 Applicant's unique citation designation number (optional). 2 See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. 3 Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). 4 For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. 5 Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. 6 Applicant is to place a check mark here if English language Translation is attached.

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Sheet

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

		NON PATENT LITERATURE DOCUMENTS		
Examiner nitials*	Cite No. ¹			
	CA	Gabl et al., "Novel Integrated FBAR Sensors: A Universal Technology Platform for Bioand Gas-Detection", IEEE, Vol 2 of 2, October 2003, pp. 1184-1188		
	СВ	Gabl et al., "First results on label-free detection of DNA and protein molecules using a novel integrated sensor technology based on gravimetric detection principles", Biosensors & Bioelectronics, Vol. 19, 2004, pp. 615-620		
	CC	Zhang et al., "A novel piezoelectric quartz micro-array immunosensor based on self-assembled monolayer for determination of human chorionic gonadotropin", Biosensors & Bioelectronics, Vol. 19, 2004, pp. 711-720		
	•			
Evaminer	1	Date		
Signature		Considered		

^{*}EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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